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TECH CENTER 1600/2900

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

AATATTTCTTGACCTAATGCCATCTTGTGTCCTGCAGAGCCCTATTCTAACATG
GCTGATGACTATGGCTCTGAATCCACATCTCCATGGAAGACTACGTTAACCTCAACTTC
ACTGACTCTACTGTGAGAAAAAACATGTCAGGCAGTTGCGAGCCATTCTCCCACCC
TTGTACTGGCTCGTGTCACTGTGGGTCCTGGGCAACAGTCTGTAT CCTTGTCTAC
TGGTACTGACAAGAGTGAAGACCATGACCGACATGTCCTTTGAATTGGCAATTGCT
GACCTCCTCTTCTGTCACTCTCCCTCTGGCCATTGCTGCTGACCAGTGGAG
TTCCAGACCTCATGTGCAAGGTGGTCAACAGCA **TGTACAAGATGAACTCTACAGCTGT**
GTGTTGCTGATCATGTGATCAGCGTGGACAGGTACATTGCCATTGCCAGGCCATGAGA
GCACATACTTGGAGGGAGAAAAGGTTTGTCAGCAGAAAATGGTTGCTTACCATCTGG
GTATTGGCAGCTGCTCTGCATCCCAGAAATCTTACAGCCAATCAAGGAGGAATCC
GGCATTGCTATCTGCACCATGGTTACCCTAGCGATGAGAGCACCAAACTGAAAGTCAGCT
GTCTTGACCTGAAGTCATTCTGGGTTCTCCTCCCTCGTGGTCATGGCTTGCTGC
TATACCATCATCATTACACCCGTACAGCCAAGAAGTCTCCAAGCACAAGCCCTA
AAAGTGACCATCACTGTCTGACCGTCTTGTCTAGTTCCCTACAACTGCATT
T TGTTGGTCAGACCATGACCCATGACCCATGTCATCTCCAACTGTGCCGTTCCACC
AACATTGACATCTGCTTCCAGGTACCCAGACCATGCCCTCTCCACAGTTGCTGAAC
CCTGTTCTCTATGTTTGTGGGTGAGAGATTCCGCCGGATCTGTGAAAACCCCTGAAG
AACTGGGTTGCATGCCAGGCCAGTGGTTCATTTACAAGGAGAGAGGGAAAGCTG
AAGCTGTCGCTATGTTGCTGGAGACAACCTCAGGAGCACTCTCCCTGAGGGGCTTC
TCTGAGGTGCATGGTCTTTGGAAGAAATGAGAAATACATGAAACAGTTCCCCACTGA
TGGGACAGAGAGAGTGAAAGAGAAAAGAAACTCAGAAAGGGATGAATCTGAACATAT
GATTACTTGTAGTCAGAATTGCAAAGCAAATATTCTAAAATCAACTGACTAGTGCAGG
AGGCTGTTGATTGGCTCTTGACTGTGATGCCGCAATTCTCAAAGGAGGACTAAGGACCG
GCACTGTCGAGCACCCCTGGCTTGCACTGCCACTGCCGGAGCATCAATGCCGCTGCCTGGAG
GAGCCCTGGATTCTCCATGCACTGTGAACTCTGTGGCTCAGTTCTCATGCTGCCT
CTTCCAAAAGGGACACAGAACGACTGGCTGCTGACAGACCCCAAAGCAGAAAGTT
CGTGAAAATGTCATCTTGGAAATTCTACCCCTGCTCTTGAGCCTGATAACCCATGC
CAGGTCTTATAGATTCTGATCTAGAACCTTCCAGGCAATCTCAGACCTAATTCTTC
TGTCTCTCTGTTCTGGCCAGTGAAGGTCTGTTCTGATTTGAAACGATCTG
CAGGTCTGCCAGTGAACCCCTGGACAACGACCAACCCACAAGGCATCCAAAGTCTG
TGGCTTCAAATCCATTCTGTGCTCTGGAGGTTAACCTAGACAAGGATTCCGCTT
ATTCCCTGGTATGGTGCAGTGCTCTCCATGCCCTGAGCAGGGAGATTATAACAGCTGG
GTTCGCAGGAGCCAGCCTGGCCCTGTTGAGGCTTCTGTTGAGTGGCACTTGCTTT
GGGTCCACCGCTGCTGCTGCCCTAGAAAATGGCTGGTCTTTGCCCTCTCTTCT
GAGGCCACCTTATTCTGAGGAATACAGTGAGCAGATGGGCAGCAGCCAGGTAGGGCA
AAGGGGTGAAGCGCAGGCCCTGGAAGGCTATTACTTCCATGCTCTCCCTTTCTTA
CTCTATAGGGCAACATTAAAGCTTTAACCTAGAGATTAGGCTGAAAAAAATAAGT
AATGGAATTCACCTTGCACTTTGTGCTTCTTATCATGATTGGCAAAATGCATCA
CCTTGAAAATATTCAACATATTGGAAAAGTGCTTTAATGTTATATGAAGCATTAAAT
TACTTGTCACCTTCTTACCCCTGTCATATTAAAGTGTTGCAATTAAAGATCAAAT
AGATACATTAAGAGTGTGAAGGCTGGCTGAAGGTAGTGAGCTATCTCAATCGGATTGTT
CACACTCAGTTACAGATTGAACCTCTGTTCTACTTCCCTGCTCTACTGCAATTG
ACTAGTCTTAAAAAAAGTGTGAAGAGTAAGCAATAGGATAAGGAAATAAGATCT

(SEQ ID NO: 1)

FIGURE 2A



Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

AATATTTCTTGACCTAATGCCATCTTGTGTC~~CCC~~CTGCAGAGCC~~T~~TACCATG
GCTGATGACTATGGCTCTGAATCCACATCTTCCATGGAAGACTACGTTAAC~~T~~CAACTTC
ACTGACTT~~C~~TACTGTGAGAAAAAACATGTCAGGCAGTTGCGAGCCATTCC~~CCC~~ACCC
~~TTG~~TACTGGCTCGT~~G~~TTCATCGT~~GGG~~TGCC~~T~~GGGCAACAGT~~T~~TGTTAT ~~C~~CTTGTCTAC
T~~G~~TGACTGACAAGAGTGAAGACC~~A~~TGACCGACATGTTCTTGAATTGGCAATTGCT
GACCTCCTTTCTGTCACTCTCC~~T~~CTGGCCATTGCTGCTGCTGACCAGTGGAAAG
TTCCAGACCTCATGTGCAAGGTGGCAACAGCA **TGTACAAGATGA**ACTTCTACAGCTGT
GTGTTGCTGATCATGTGCA~~T~~CGCGTGGACAGGTACATTGCCATTGCC~~C~~AGGCCATGAGA
GCACATACTGGAGGGAGAAAAGGCTTTG~~T~~ACAGCAAATGGTTGCTTACATCTGG
GTATTGGCAGCTGCTCTGCAT~~CC~~AGAAATCTTATACAGCCAAATCAAGGAGGAATCC
GGCATTGCTATCTGCACCATGGTTAC~~C~~CTAGCGATGAGAGCACCAAA~~C~~TGAAGTCAGCT
GTCTTGACCTGAAGGT~~C~~ATTCTGGGTTCTCCTCC~~T~~CTG~~G~~GT~~T~~CATGGCTTGCTGC
TATA~~CC~~ATCATCATT~~C~~ACACCC~~T~~GATA~~C~~AGCAAGTCTTCAAGCACAAGCC~~T~~A
AAAGTGACCATCACTGT~~C~~CTGACCGT~~T~~TG~~T~~CTCAGTTCC~~T~~ACA~~T~~GCATT
T TGTTGGTGCAGACCAT~~T~~GACGCC~~T~~ATGCCATGTT~~C~~ATCTCCAA~~C~~CTGTGCCGTTCC~~ACC~~
AACATTGACATCTGCTTCCAGGT~~C~~ACCCAGACC~~A~~TGCC~~T~~CTCTCCACAGTTGCC~~T~~GAAC
CCTGTTCTCTATGTTTGTGGGTGAGAGATTCCGCCGGGATCTGTGAAAACCC~~T~~GAAG
AACTTGGGTGCAT~~CC~~AGGCCAGGGCAGTGGTT~~C~~ATTACAAGGAGAGAGGGAAAGCTTG
AAGCTGTC~~G~~TCTATGTTGCTGGAGACAA~~C~~CTCAGGAGCACTCTCC~~T~~CTGAGGGTCTTC
TCTGAGGTGCATGGTTCTTGAAGAAATGAGAAATACATGAAACAGTTCCCCACTGA
TGGGACCAAGAGAGAGTGAAGAGAAAAGAAA~~A~~CTCAGAAAGGGATGAATCTGA~~A~~CTATAT
GATTACTTGTAGTCAGAATTGCCAAAGCAAATATTCAAATCAACTGACTAGTGCAGG
AGGCTGTTGATGGCTCTGACTGTGATGCC~~C~~GAATTCTCAAAGGAGGACTAAGGACCG
GCACTGTGGAGCACCTGGCTTGCCACTGCCGGAGC~~A~~TCAATGCCG~~T~~GCCT~~T~~GGAG
GAGCCCTGGATTCTCATGCACTGTGAAC~~T~~CTGTGGCTTCAGTTCTCATGCTGCCT
CTTCCAAAAGGGACACAGAAGCACTGGCTGCTG~~T~~ACAGACCGAAAAGCAGAAAGTT
CGT~~G~~AAAATGTCCATCTTGGAAATTCTACCC~~T~~GCTCTTGAGCCTGATAACCC~~T~~GC
CAGGTCTTATAGATTCTGATCTAGAACCTTCCAGGCAATCTCAGACCTAATTCC~~T~~TC
TGTTCTCTTGTCTGTTCTGGCCAGTGAAGGT~~C~~TTGTTCTGATTGAAACGATCTG
CAGGTCTGCCAGTGAACCC~~T~~GGACA~~A~~CTGACCACACCACAAGGCATCAAAGCTGT
TGGCTTCCAATCCATTCTGTGCTCTG~~T~~GGAGGTTAACCTAGACAAGGATTCCGCTT
ATTCTTGGTATGGT~~G~~ACAGTGTCTCTCATGCC~~T~~GAGCAGGGAGATTATAACAGCTGG
GTTCGCAGGAGCCAGGCC~~T~~GGCCTGTTGAGGCTTCTGTGAGTGGCACTTGCTT
GGGTCCACCGTCTGCTGCTCC~~T~~AGAAAATGGGCTGGTCTTGGCC~~T~~CTTCTTCT
GAGGCC~~C~~ACTTATTCTGAGGAATACAGT~~G~~AGCAGA~~T~~ATGGG~~C~~AGCAGCCAGGTAGGGCA
AAGGGGTGAAGCGCAGGCC~~T~~GTGGAAGGCTATTACTTCCATGTTCTC~~T~~CTTCTTA
CTCTATAGTGGCAACATTAAAGCTTTAACTTAGAGATTAGGCTGAAAAAAATAAGT
AATGGAATTCAACCTTGCATCTTGTCTTCTTATCATGATTG~~G~~AAAATGCA~~T~~CA
CTTTGAAAATATT~~C~~ACATATTG~~G~~AAAAGTGT~~T~~TTAATGTGT~~T~~ATATGAAGCATTAA~~T~~
TACTTGTCACTTCTTACCC~~T~~GTC~~A~~TTATTAA~~T~~TAAGTGTGCAATTAAAGATCAA~~A~~
AGATA~~C~~ATTAAGAGTGTGAAGGCTGGTC~~G~~GAAGGTAGT~~G~~AGCTATCTCAATCGGATTGTT
CACACTCAGTTACAGATTGAAC~~T~~CTTGTCTACTCC~~T~~GCTCTCTACTGCAATTG
ACTAGTCTTAAAAAAAGTGTGAAGAGTAAGCAATAGGGATAAGGAATAAGATCT
(SEQ ID NO:1)

FIGURE 2A